

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CVD Tantalum compounds for FET gate electrodes

the specification of which (check one)

X is attached hereto.

— was filed on herewith _____ as

Application Serial No. _____

and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| Prior Foreign Application(s) | Priority Claimed | |
|------------------------------|----------------------|------------------------|
| _____ | <u>Yes</u> <u>No</u> | |
| (Number) | (Country) | (Day/Month/Year Filed) |

I hereby claim the benefit under Title 35, United States Code, Section 119(e) and/or Section 120 of any United States Provisional Application(s) and Nonprovisional Application(s) listed below and, Insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information material to the patentability of this application as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application;

| | | |
|--------------------------|---------------|---|
| (Application Serial No.) | (Filing Date) | (Status) (patented, pending, abandoned) |
|--------------------------|---------------|---|

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number). The Attorney of Record herein is hereby authorized to insert the Application Number and filing date when received from the United States Patent and Trademark Office.

Manny W. Schecter (Reg. 31,722), Kevin M. Jordan (Reg. 40,277), Christopher A. Hughes (Reg. 26,914), John E. Hoel (Reg. 26,279), Joseph C. Redmond, Jr. (Reg. 18,753), Douglas W. Cameron (Reg. 31,596), Wan Yee Cheung (Reg. 42,410), Thu Ann Dang (Reg. 41,544), Timothy M. Farrell (Reg. 37,321), Louis P. Herzberg (Reg. 41,500), Derek S. Jennings (Reg. 41,473), Stephen C. Kaufman (Reg. 29, 551), Richard M. Ludwin (Reg. 33,010), Daniel P. Morris (Reg. 32,053), Alison D. Mortinger (Reg. 39,306), Louis J. Percello (Reg. 33,206), Robert M. Trepp (Reg. 25,933), Gail H. Zarick (Reg. 43,303).

Send Correspondence to: George Sai-Halasz, PhD. (Reg. No. 45,430)
145 Fernwood Drive E. Greenwich, RI 02818

Cust. No.: **24299**

Direct Telephone and/or FAX Calls to: George Sai-Halasz (401) 885-8032 (FAX)(401) 885-1046

Docket No. Y0920030438US1 Page 2 of 4**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**CVD Tantalum compounds for PET gate electrodesVijay Narayanan
Full name of first inventorVijay Narayanan
Inventor's Signature180 Riverside Boulevard #12C, New York, New York 10069
Residence and Post Office AddressIndia
Citizenship11/10/03
DateFenton R. McFeely
Full name of second inventorFenton R. McFeely
Inventor's Signature25 Donald Lane, Ossining, New York 10562
Residence and Post Office AddressUSA
Citizenship11/10/03
DateKeith Raymond Milkove
Full name of third inventor

Inventor's Signature

Date

23 Dennings Avenue, Beacon, New York 12508
Residence and Post Office AddressUSA
Citizenship11/10/03
DateJohn Jacob Yurkas
Full name of fourth inventorJohn Jacob Yurkas
Inventor's Signature94 Haig Avenue, Stamford, Connecticut 06905
Residence and Post Office AddressUSA
Citizenship

Express Mail Label: ER459992766US

NOV 13 '03 10:52 FR IBM BUSINESS SUPPORT 914 945 2141 TO 914018851046 P.11
NOV 12 2003 16:26 FR IBM GLOBAL SERVICES 914 945 2141 TO 8458924604 P.04
NOV 12 '03 10:54 FR IBM BUSINESS SUPPORT 914 945 2141 TO 8458924604
11/09/2003 22:24 4018851046

Docket No. YORY2003M03US1 Page 2 of 4

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

CVD Tantalum compounds for FET gate electrodes

Vijay Narayanan
Full name of first inventor

Vijay Narayanan
Inventor's Signature

11/10/03
Date

180 Riverside Boulevard, #12C, New York, New York 10069
Residence and Post Office Address

India
Citizenship

Eugene R. McFeely
Full name of second inventor

Inventor's Signature

Date

25 Donald Lane, Ossining, New York 10562
Residence and Post Office Address

USA
Citizenship

Keith Raymond Milkove
Full name of third inventor

Keith Raymond Milkove
Inventor's Signature

11/12/03
Date

23 Derninger Avenue, Beacon, New York 12508
Residence and Post Office Address

USA
Citizenship

John Jacob Yukas
Full name of fourth inventor

John Jacob Yukas
Inventor's Signature

11/10/03
Date

96 High Avenue, Stamford, Connecticut 06905
Residence and Post Office Address

USA
Citizenship

Express Mail Label: ER459992766US

NOV 08 2003 22:30

4018851046

PAGE .03

NOV 12 2003 11:56
NOV 12 2003 15:24

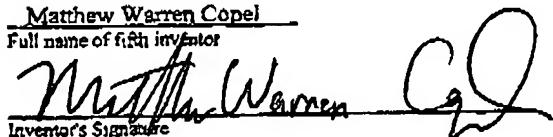
** TOTAL PAGE .04 **
914 945 2141 PAGE .04
8458924604 PAGE .02

11/08/2003 22:24 4018851046

Docket No. YOR920030438US1 Page 3 of 4

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATIONCVD Tantalum compounds for FET gate electrodesMatthew Warren Copel

Full name of fifth inventor

2570 Barr Court, Yorktown Heights, New York 10598

Residence and Post Office Address

11/11/03

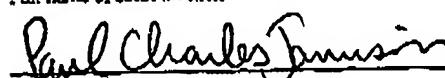
Date

USA

Citizenship

Paul Charles Jamison

Full name of sixth inventor

5 Ridge Road, Hopewell Junction, New York 12533

Residence and Post Office Address

11/10/03

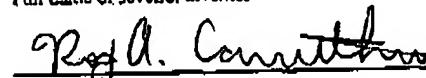
Date

USA

Citizenship

Roy A. Carruthers

Full name of seventh inventor

15 Van Brook Drive, Stormville, New York 12582

Residence and Post Office Address

11/11/03

Date

USA

Citizenship

Cyril Cabral, Jr.

Full name of eighth inventor

4 Sherman Place, Ossining, New York 10562

Residence and Post Office Address

11/10/03

Date

USA

Citizenship

Express Mail Label: ER459992766US

11/09/2003 22:24 4018851046

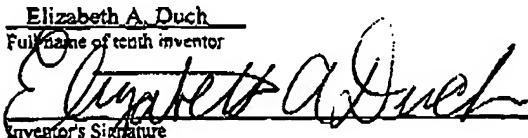
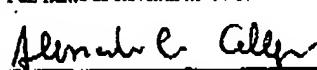
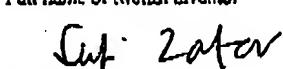
DR GEORGE SHI-MALHOTRA

Docket No. YOR920030438US1 Page 4 of 4

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**CVD Tantalum compounds for FET gate electrodes**Edmund M. Sikorskii
Full name of ninth inventor

Inventor's Signature

Date

6 Morris Drive, Florida, New York 10921
Residence and Post Office AddressUSA
CitizenshipElizabeth A. Dush
Full name of tenth inventor11/10/03
DateS Park Lane, North Salem, New York 10560
Residence and Post Office AddressUSA
CitizenshipAlessandro C. Callegari
Full name of eleventh inventor11/11/03
Date756 Hanover Street, Yorktown Heights, New York 10598
Residence and Post Office AddressUSA
CitizenshipSufi Zafar
Full name of twelfth inventor11/11/03
Date92 Hungersford Road, Briarcliff Manor, New York 10510
Residence and Post Office AddressUSA
CitizenshipKazuhito Nakamura
Full name of twelfth inventor

Inventor's Signature

Date

3-5, Sano-cho, Minato-ku, Nagoya-shi, Aichi, Japan 453-0042
Residence and Post Office AddressJapan
Citizenship

Express Mail Label: ER459992766US

11/10/2003 15:28 4018851046

DR GEORGE SHAFRAZI

Docket No. Y0R92003043BUS1 Page 4 of 4**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**CVD Tantalum compounds for FET gate electrodesEdmund M. Sikorski

Full name of ninth inventor

Edmund M. Sikorski

Inventor's Signature

11/11/03

Date

6 Morris Drive, Florida, New York 10921

Residence and Post Office Address

USA

Citizenship

Elizabeth A. Duch

Full name of tenth inventor

Inventor's Signature

Date

5 Park Lane, North Salem, New York 10560

Residence and Post Office Address

USA

Citizenship

Alessandro C. Callegari

Full name of eleventh inventor

Inventor's Signature

Date

756 Hanover Street, Yorktown Heights, New York 10598

Residence and Post Office Address

USA

Citizenship

Sufi Zafar

Full name of twelfth inventor

Inventor's Signature

Date

92 Hungerford Road, Briarcliff Manor, New York 10510

Residence and Post Office Address

USA

Citizenship

Kazuhito Nakamura

Full name of twelfth inventor

Inventor's Signature

Date

3-5, Sanno-cho, Minato-ku, Nagoya-shi, Aichi, Japan 455-0042

Residence and Post Office Address

Japan

Citizenship

Express Mail Label: ER4S9992766US

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

CVD Tantalum compounds for FET gate electrodes

Edmund M. Sikorski
Full name of ninth inventor

Inventor's Signature

Date

6 Morris Drive, Florida, New York 10921
Residence and Post Office Address

USA
Citizenship

Elizabeth A. Duch
Full name of tenth inventor

Inventor's Signature

Date

5 Park Lane, North Salem, New York 10560
Residence and Post Office Address

USA
Citizenship

Alessandro C. Callegari
Full name of eleventh inventor

Inventor's Signature

Date

756 Hanover Street, Yorktown Heights, New York 10598
Residence and Post Office Address

USA
Citizenship

Sufi Zafar
Full name of twelfth inventor

Inventor's Signature

Date

92 Hungerford Road, Briarcliff Manor, New York 10510
Residence and Post Office Address

USA
Citizenship

Kazuhito Nakamura
Full name of twelfth inventor

Kazuhito Nakamura
Inventor's Signature

11/11/2003
Date

3-5, Sano-cho, Minato-ku, Nagoya-shi, Aichi, Japan 455-0042
Residence and Post Office Address

Japan
Citizenship

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Vijay Narayanan, et al

Date: November 12, 2003

Group Art Unit:

Serial No. : To be assigned

Examiner: To be assigned

Filed: Herewith

Docket No. YOR920030438US1

For: CVD Tantalum compounds for FET gate electrodes

Commissioner for Patents
Alexandria, VA 22313

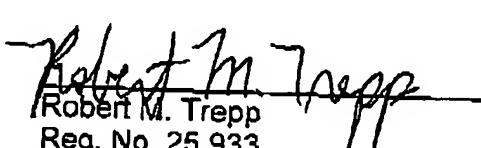
APPOINTMENT OF ASSOCIATE POWER OF ATTORNEY

Sir:

Please recognize George Sai-Halasz, Reg. No. 45,430, of 145 Fernwood Dr., E. Greenwich, RI 02818, T: 401-885-8032 as associate attorney, with full power to prosecute, inspect, and transact all business concerning the above-identified application, including the filing of amendments, continuation applications, divisional applications and continuation-in-part applications.

Please send all official correspondence to George Sai-Halasz to the above noted address.

Respectfully submitted,


Robert M. Trepp
Reg. No. 25,933
(914) 945-3147

IBM CORPORATION
Intellectual Property Law Dept.
P.O. Box 218
Yorktown Heights, New York 10598